CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
101 CENTRE PLAZA DRIVE
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October 7, 1994

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1200 South Flower Street
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WELL INVESTIGATION PROGRAM—HYDROGEOLOGICAL INVESTIGATION AT 1200 S. FLOWER ST., BURBANK, CA. (FILE NO. 109.0582)

Reference is made to your consultant's, Environ, letter dated September 7, 1994, containing a proposal for a new method of collecting ground water samples from the ITT monitoring well network located at the subject site. Your consultant's proposal consists of implementing a low flow purging technique to purge and sample the ground water monitoring wells which would replace the standard purging and/or sampling procedures currently being implemented. We have reviewed and evaluated the submitted proposal and have no objections to its implementation, since the proposed methodology may result in the collection of more representative and accurate ground water samples and reduce the volume of hazardous waste generated at the subject site. The proposal must be completed as specified in the letter and must also comply with the following site specific modifications:

1. Your consultant presented the concept that the time at which samples are collected is determined by measuring specified field parameters until measurements stabilize to within approximately 10% over at least two measurements. At a minimum, six successive measurements must be taken, prior to sampling, in order to observe the stabilization trends.

2. The measured field parameters must include at a minimum, pH, temperature, turbidity, specific conductivity, and dissolved oxygen.

3. Your consultant indicates "Collected ground water samples will be analyzed for three of the principal chemicals detected: trichloroethene (TCE), perchloroethene (PCE), and 1,1-dichloroethane (1,1-DCA) using EPA Method 8010." Ground water samples must be analyzed for all volatile organic compounds (VOCs) identified during past sampling

events in order to evaluate the variance between the two sampling methods in relation with all the VOCs detected on-site.

4. Information regarding which ground water monitoring wells, primarily which water bearing zone will be used for the subject testing must be provided to this Regional Board prior to implementing the proposed activities.

5. Your consultant indicates "that 6 paired samples are required from each well to be 80 percent confident that a concentration difference of 10 ppb will be seen." In order to have confidence in the qualitatively compared results and reliability of the testing method proposed, a 90 percent confidence level must be achieved.

6. Three copies of the technical report containing the results of the field testing program must be submitted to this Regional Board upon completion of proposed activities. Subsequent to review and evaluation of the report findings, a determination will be made regarding the use of the proposed low flow purging technique for future quarterly ground water monitoring events at the subject site.

Please notify Board Staff at least 72 hours in advance before commencing any field activities, so we may schedule a representative to be present.

If you have any questions, please contact Ms. Ana Veloz at (213) 266-7590.

GREGG KWEY
Senior Water Resource
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